

CCACCGCGTCCGGTCAGCTCTGGTCGGAGAACGAGCAGCGGCTGGCGTGGCCATCGGGGAATGGGC
GCCCTCGTACCTAGTGTGCGGGGCAAAAGGGTCTTGCCTCGCTCGTCAGGGGCAT
CTGGGCGCCTGAGCGCGCGTGGGAGCCTGGAGGCCGCGCAGCAGGGGCACACCCGAACCG
GCCTGAGCGCCCGGGACCATGAACGGGGAGGCCATCTGCAGCGCCCTGCCACCATTCCCTACCA
CAAACCTGCCGACCTGCGCTACCTGAGCCGCGCCTGGCACTGTGTGTCGCCGCCACG
CAGACTGGCGCGTCCAGGTGGCGTGAAGCACCTGCACATCCACACTCCGCTGCTGACAGTGAA
AGAAAGGATGTCTTAAGAGAACGCTGAAATTTACACAAAGCTAGATTAGTTACATTCTCCAAT
TTTGGGAATTGCAATGAGCCTGAATTGGAAATAGTTACTGAATACATGCCAAATGGATCAT
TAAATGAACCTACATAGGAAAACCTGAATATCCTGATGTTGCTGGCCATTGAGATTCCAT
CTGCATGAAATTGCCCTTGGTGTAAATTACCTGCACAATATGACTCCTCCTTACTTCATCATGA
CTTGAAGACTCAGAATATCTTATTGGACAATGAATTTCATGTTAAGATTGCAAGATTGGTTAT
CAAAGTGGCGCATGATGTCCTCTCACAGTCACGAAGTAGCAAATCTGCACCAAGAAGGAGGGACA
ATTATCTATATGCCACCTGAAAACATGAACCTGGAACAAATCAAGGGCAGTATCAAGCACGA
TATATATAGCTATGCAGTTACATGGAAAGTGTATCCAGAAAACAGCCTTTGAAGATGTCA
CCAATCCTTGCAGATAATGTATAGTGTGTCACAAGGACATCGACCTGTTATTAATGAAGAAAGT
TTGCCATATGATATACTCACCGAGCACGTATGATCTCTCTAATAGAAAGTGGATGGCACAAAAA
TCCAGATGAAAGACCATCTTCTAAAATGTTAATAGAAACTTGAACCAAGTTGAGAACATTG
AAGAGATAACTTTCTTGAAGCTGTTATTCAAGCTAAAGAAAACAAAGTTACAGAGTGTTCAGT
GCCATTCACCTATGTGACAAGAACAAATGGAATTATCTCTGAACATACTGTAAATCATGGTCC
ACAAGAGGAATCATGTGGATCCTCTCAGCTCCATGAAAATAGTGGTTCTCCTGAAACTTCAAGGT
CCCTGCCAGCTCCTCAAGACAATGATTTTATCTAGAAAAGCTCAAGACTGTTATTTATGAAG
CTGCATCACTGTCCTGAAATCACAGTTGGATAGCACCATTCTGGATCTCAAAGGGCTGCATT
CTGTGATCACAAGACCATTCCATGCTCTCAGCAATAATAATCCACTCTCAACTGCAGGAAACT
CAGAACGTCTGCAGCCTGGTAGGCCAGCAGTGGATCCAGAGCAAAAGGGAAAGACATTGTGAAC
CAAATGACAGAACGCTGCCTAACCAAGTCGCTAGATGCCCTCTGTCCAGGGACTTGTATGAA
AGAGGACTATGAACCTGTTAGTACCAAGCCTACAAGGACCTAAAAGTCAGACAATTACTAGACA
CTACTGACATCCAAGGAGAAGAATTGCCAAAGTTATAGTACAAAAATTGAAAGATAACAAACAA
ATGGGTCTTCAGCCTACCCGGAAATACTTGTGGTTCTAGATCACCATCTTAAATTACTTCA
AAATAAAAGCATGTAAGTGAATGTTCAAGAAGAAATGTGTTCAAAAAGGATATTATAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA (SEQ ID NO:1)

FIG. 1

NOVEL MOLECULES OF THE CARD-RELATED PROTEIN FAMILY AND USES THEREOF

(SEO ID NO: 2)

2
EIG

TTTTTATGGG AATCGCAGCT TGGAAAGAGAC AGARCAATT CAGAAWTAAA TTGRAATTGA
AGATTTAAC C AATGTTGTT TAAAATATT C TAACTTCAA A GAATGATGCC AGAACTTWAA
AAGGGRCTGC GCAGAGTAGC AGGGGCCCTG GAGGGCCGG CCTGAATCCT GATTGCCCTT
CTGCTGAGAG GACACACGCA GCTGAAGATG AATTTGGAA AAGTAGCCGC TTGCTACTTT
AACTATGGAA GAGCAGGGCC ACAGTGAGAT GGAAATAATC CCATCAGAGT CTCACCCCCA
CATTCAATT A CTGAAAAGCA ATCGGGAACT TCTGGTCACT CACATCCGCA ATACTCAGTG
TCTGGTGGAC AACTTGTGA AGAATGACTA CTTCTCGGCC GAAGATGCCGG AGATTGTGTG
TGCCTGCCCT ACCCAGCCTG ACAAGGTCCG CAAAATTCTG GACCTGGTAC AGAGCAAGGG
CGAGGAGGTG TCCGAGTTCT TCCTCTACTT GCTCCAGCAA CTCGCAGATG CCTACGTGGA
CCTCAGGCCT TGGCTGCTGG AGATCGGCTT CTCCCCCTCC CTGCTCACTC AGAGCAAAGT
CGTGGTCAAC ACTGACCCAG TGAGCAGGT A TACCCAGCAG CTGCGACACC ATCTGGGCCG
TGACTCCAAG TTCGTGCTGT GCTATGCCCA GAAGGAGGAG CTGCTGCTGG AGGAGATCTA
CATGGACACC ATCATGGAGC TGGTTGGCTT CAGCAATGAG AGCCTGGCA GCCTGAACAG
CCTGGCCTGC CTCCTGGACC ACACCACCGG CATCCTCAAT GAGCAGGGTG AGACCATCTT
CATCCTGGGT GATGCTGGGG TGGCAAGTC CATGCTGCTA CAGCGGCTGC AGAGCCTCTG
GCCACGGGC CGGCTAGACG CAGGGTCAA ATTCTTCTTC CACTTTGCT GCGCATGTT
CAGCTGCTTC AAGGAAAGTG ACAGGGCTGTG TCTGCAGGAC CTGCTCTTCAG AGCACTACTG
CTACCCAGAG CGGGACCCCG AGGAGGTGTT TGCCTTCCTG CTGCGCTTCC CCCACGTGGC
CCTCTTCACC TTGATGGCC TGGACGAGCT GCACTCGGAC TTGGACCTGA GCCGCGTGCC
TGACAGCTCC TGCCCCCTGGG AGCCTGCCCA CCCCCCTGGTC TTGCTGGCCA ACCTGCTCAG
TGGGAAGCTG CTCAAGGGGG CTAGCAAGCT GCTCACAGCC CGCACAGGCA TCGAGGTCCC
GCGCCAGTTC CTGCGGAAGA AGGTGCTTCT CCGGGGCTTC TCCCCCAGCC ACCTGCGCGC
CTATGCCAGG AGGATGTTCC CCGAGCGGGC CCTGCAGGAC CGCCTGCTGA GCCAGCTGG
GGCCAACCCC AACCTCTGCA GCCTGTGCTC TGTGCCCTC TTCTGCTGGA TCATCTCCG
GTGCTTCCAG CACTTCCGTG CTGCCTTGA AGGCTCACCA CAGCTGCCG ACTGCACGAT
GACCCTGACA GATGTCTTCC TCCTGGTCAC TGAGGTCCAT CTGAACAGGA TGCAGCCAG
CAGCCTGGTG CAGCGGAACA CACGCAGCCC AGTGGAGACC CTCCACGCCG GCCGGGACAC
TCTGTGCTCG CTGGGGCAGG TGGCCCACCG GGGCATGGAG AAGAGCCTCT TTGTCTTCAC
CCAGGAGGAG GTGCAGGCCT CCGGGCTGCA GGAGAGAGAC ATGCAGCTGG GCTTCTGCG
GGCTTGCCTG GAGCTGGGCC CCGGGGGTGA CCAGCAGTCC TATGAGTTTT TCCACCTCAC
CCTCCAGGCC TTCTTACAG CCTTCTTCCT CGTGCTGGAC GACAGGGTGG GCACTCAGGA
GCTGCTCAGG TTCTTCCAGG AGTGGATGCC CCCTGCGGGG GCAGCGACCA CGTCCTGCTA

FIG. 3A

TCCTCCCTTC CTCCCGTTCC AGTGCCTGCA GGGCAGTGGT CCGGCGCGGG AAGACCTCTT
CAAGAACAAAG GATCAGCTTCC AGTTCACCAA CCTCTTCCCTG TGCAGGGCTGT TGTCCAAAGC
CAAACAGAAA CTCCTGCAGGC ATCTGGTGCC CGCGGCAGCC CTGAGGGAGAA AGCGCAAGGC
CCTGTGGGCA CACCTGTTT CCAGCCTGCG GGGCTACCTG AAGAGCCTGC CCCGCGTTCA
GGTCGAAAGC TTCAACCAGG TGCAGGCCAT GCCCACGTTT ATCTGGATGC TGCAGCTGCAT
CTACGAGACA CAGAGCCAGA AGGTGGGGCA GCTGGCGGCC AGGGGCATCT GCGCCAACTA
CCTCAAGCTG ACCTACTGCA ACGCCTGCTC GGCGACTGC AGCGCCCTCT CCTTCGTCCT
GCATCACTTC CCCAAGCGGC TGGCCCTAGA CCTAGACAAC AACAAATCTCA ACGACTACGG
CGTGCAGGGAG CTGCAGCCCT GCTTCAGCCG CCTCACTGTT CTCAGACTCA GCGTAAACCA
GATCACTGAC GGTGGGGTAA AGGTGCTAAG CGAAGAGCTG ACCAAATACA AAATTGTGAC
CTATTTGGGT TTATACAACA ACCAGATCAC CGATGTCGGA GCCAGGTACG TCACCAAAAT
CCTGGATGAA TGCAGAAAGGCC TCACGCATCT TAAACTGGGA AAAAACAAAA TAACAAGTGA
AGGAGGGAAAG TATCTCGCCC TGGCTGTGAA AACAGCAAA TCAATCTCTG AGGTTGGGAT
GTGGGGCAAT CAAGTTGGGG ATGAAGGGAGC AAAAGCCTTC GCAGAGGCTC TGCAGGAACCA
CCCCAGCTTG ACCACCCCTGA GTCTTGCCTC CAACGGCATC TCCACAGAAG GAGGAAAGAG
CCTTGCAGGG GCCCTGCAGC AGAACACGTC TCTAGAAATA CTGTGGCTGA CCCAAATGA
ACTCAACGAT GAAGTGGCAG AGAGTTGGC AGAAATGTTG AAAGTCAACC AGACGTTAAA
GCATTTATGG CTTATCCAGA ATCAGATCAC AGCTAAGGGG ACTGCCAGC TGGCAGATGC
GTTACAGAGC AACACTGGCA TAACAGAGAT TTGCCTAAAT GGAAACCTGA TAAACCCAGA
GGAGGCCAAA GTCTATGAAG ATGAGAAGCG GATTATCTGT TTCTGAGAGG ATGCTTTCT
GTTCATGGGG TTTTGCCCT GGAGCCTCAG CAGCAAATGC CACTCTGGC AGTCTTTGT
GTCAGTGTCT TAAAGGGGCC TGCAGGGCG GGACTATCAG GAGTCCACTG CCTYCATGAT
GCAAGCCAGC TTCCTGTGCA GAAGGTCTGG TCGGCAAAC CCCTAAGTAC CCGCTACAAT
TCTGCAGAAA AAGAATGTGT CTTGCGAGCT GTTGTAGTTA CAGTAAATAC ACTGTGAAGA
GAAAAAAACGGACGGCGT GG (SEQ ID NO:7)

FIG. 3B

MEEQGHSEMEIIIPSESHPHIQLLKSNRLLVTHIRNTQCLVDNLLKNDYFSAEDAEIVCACPTQP
DKVRKILDLVQSKGEEVSEFFLYLLQQLADAYVDLRPWLLEIGFSPSLLTQSKVVVNTDPVSRYT
QQLRHHLGRDSKFVLCYAQKEELLEEIYMDTIMELVGFSNESLGSLNSLACLLDHTTGINNEQG
ETIFILGDAGVGKSMLLQRLQSLWATGRLDAGVKFFFHFRCRMFSCFESDRLCLQDLLFKHYCY
PERDPEEVFAFLLRFPHVALFTFDGLDELHSDLDSLVPDSSCPWEPAHPLVLLANLLSGKLLKG
ASKLLTARTGIEVPRQFLRKVLLRGFSPSHLRAYARRMFPERALQDRLLSQLEANPNLCSLCSV
PLFCWIIFRCFQHFRAAFEGSPQLPDCTMTLTDVFLVTEVHNRMQPSSLVQRNTRSPVETLHA
GRDTLCSLGQVAHRGMEKSLFVFTQEEVQASGLQERDMQLGFLRALPELGPQGDQQSYEFFHLTL
QAFFTAFFVLVLDdrvGTQELLRFFQEWMPPAGAATTSCYPPFLPFQCLQGSGPAREDLFKNKDHF
QFTNLFLCGLLSKAKQKLLRHLVPAAALRRKRKALWAHLFSSLRGYLKSLPRVQVESFNQVQAMP
TFIWMRLCIYETQSQKVGQLAARGICANYLKLTYCNACSADCSALSFVLHHFPKRLALDLDNNNL
NDYGVRELQPCFSRLTVRLSVNQITDGGVKVLSEELTKYKIVTYLGLYNNQITDVGARYVTKIL
DECKGLTHLGKNKITSEGGKYLALAVKNSKSISEVGMWGNQVGDEGAKAFAEALRNHPSLTTL
SLASNGISTEGGKSLARALQQNTSLEILWLTQNELNDEVAESLAEMLKVNQTLKHLWLIQNQITA
KGTAQLADALQSNTGITEICLNGNLIKPEEAKVYEDEKRIICF (SEQ ID NO:8)

FIG. 4

CACGCGTCCGACFTGCTGAAGAATGACTACTTCTCGGCCGAAGATGCGGAGATTGTGT
GTGCCTGCCCAACCAGCCTGACAAGGTCCGAAAATTCTGGACCTGGTACAGAGCAAG
GGCGAGGAGGTGTCCGAGTTCTCCTACTTGCTCCAGCAACTCGCAGATGCCTACGT
GGACCTCAGGCCTTGGCTGGAGATCGGCTCTCCCTCCCTGCTCACTCAGAGCA
AAGTCGTGGTCAACACTGACCCAGTGAGCAGGTATAACCCAGCAGCTGCGACACCACATCTG
GGCGTGACTCCAAGTTCGTGTGCTATGCCAGAAGGAGGAGCTGCTGGAGGA
GATCTACATGGACACCACATGGAGCTGGTGGCTCAGCAATGAGAGCCTGGCAGCC
TGAACAGCCTGGCCTGCCTGGACACACCACCGGCATCCTCAATGAGCAGGGTGAG
ACCATCTTCATCCTGGGTGATGCTGGGCTGGCAAGTCCATGCTGCTACAGCGCTGCA
GAGCCTCTGGGCCACGGCCGGCTAGACGCAGGGTCAAATTCTTCACTTCGCT
GCCGCATGTTCAAGGAAAGTGACAGGCTGTGCTGCAGGACCTGCTCTTC
AAGCACTACTGCTACCCAGAGCGGGACCCCGAGGAGGTGTTGCCTCCTGCTGCGCTT
CCCCCACGTGGCCCTTCACCTCGATGGCCTGGACGAGCTGCACTCGACTGGACC
TGAGCCGCGTGCCTGACAGCTCCTGCCCTGGGAGCCTGCCACCCCTGGTCTGCTG
GCCAACCTGCTCAGTGGGAAGCTGCTCAAGGGGCTAGCAAGCTGCTCACAGCCGCAC
AGGCATCGAGGTCCCGGCCAGTTCTGCAGAAGAAGGTGCTTCTCCGGGCTTCTCCC
CCAGCCACCTGCGCCCTATGCCAGGAGGTGTTCCCCGAGCGGGCCCTGCAGGACCGC
CTGCTGAGCCAGCTGGAGGCCAACCCAACCTCTGCAGCCTGTGCTCTGCCCCCTTT
CTGCTGGATCATCTCCGGTGTCCAGCACTCCGTGCTGCCTTGAAGGCTACAC
AGCTGCCGACTGCACGATGACCTGACAGATGTCTCCTCTGGTCACTGAGGTCCAT
CTGAACAGGATGCAGCCCAGCAGCCTGGTGAGCGAACACACGCAGCCCAGTGGAGAC
CCTCCACGCCGGCCGGACACTCTGTGCTCGCTGGGAGGTGGCCACCGGGCATGG
AGAAGAGCCTTTGTCTTCACCCAGGAGGAGGTGCAGGCCTCCGGCTGCAGGAGAGA
GACATGCAGCTGGCTTCCACCTCAGCCTCCTCACCTGTAAAAGTGGATCCCAGTATAGA
CTTGAAATCAGTAGACACCATATGCTTCAAAAAACAGGGCTATTAAAATGACATCA
GGAGCCAGAAAGTCTCATGGCTGTGCTTCTCTGAAGTTATAACAACAAACAGATCAC
CGATGTCGGAGCCAGACTGGAAAAAAACAAAATAACAAGTGAAGGAGGGAAAGTATCTG
CCCTGGCTGTGAAGAACAGCAAATCAATCTCTGAGGTGGATGTGGGCAATCAAGTT
GGGATGAAGGAGCAAAGCCTCGCAGAGGCTCTGCCAACACCCAGCTGACCA
CCTGAGTCTTGCCTCAACGGCATCTCACAGAAGGAGGAAAGAGCCTTGCAGGGCCC
TGCAGCAGAACACGTCTCTAGAAATACTGTGGCTGACCCAAAATGAACTCAACGATGAA
GTGGCAGAGAGTTGGCAGAAATGTTGAAAGTCAACCAGACGTTAAAGCATTTATGGCT
TATCCAGAATCAGATCACAGTCTTGTGTCAGTGTCTTAAAGGGCCTGCGCAGGC
GAATCAGGAGTCCACTGCCTCATGATGCAAGCCAGCTCCTGTGCAAGAGTCTGG
TCGGCAAACCTCCCTAAGTACCCGCTACAATTCTGCAGAAAAAGAATGTGCTTGCAG
TGTGTTAGTTACAGTAAATACTGTGAAGAGACTTATTGCCTATTATAATTATTTT
ATCTGAAGCTAGAGGAATAAGCTGTGAGCAAACAGAGGAGGCCAGCCTCACCTCATT
CAACACCTGCCATAGGGACCAACGGGAGCGAGTTGGTCACCGCTCTTCAATTGAAGAG
TTGAGGATGTGGCACAAAGTTGGTGCCTGAAGCTTCTGAATAAAACGTGTTGATGGATT
AGTATTATAACCTGAAATATTTCTCCTCTCAGCACTTCCATGTATTGATACTGGT
CCCACCTCACAGCTGGAGACACCGGAGTATGTGCAGTGTGGATTGACTCCTCCAAGG
TTTGTGGAAAGTTAATGTCAGGAAAGGATGCACCAAGGGCTTTAATTAAATCCTG
GAGTCTCACTGTCTGGCAAAGATAGAGAATGCCCTCAGCTCTAGCTGGTCTAAGA
ATGACGATGCCTCAAAATGCTGCTCCACTCAGGGCTTCTCCTGTGCTAGGCTACCC
CCTCTAGAAGGCTGAGTACCATGGCTACAGTGTCTGGCCTGGGAAGAAGTGAATTCTG
TCCCTCCAAAGAAATAGGGCATGGCTTGCCTGGCCCTGGCATCCAAATGGCTGCT
TTTGTCTCCCTACCTCGTGAAGAGGGAAAGTCTCTCCTGCCTCCAAAGCAGCTGAAG
GGTGAACACGGCGCCAAGACTCAGGGATCGGCTGGGAACCTGGCCAGCAGAGCAT
GTTGGACACCCCCCACCATGGTGGCTGTGGCTGCTCCATGAGGGTGGGGTGTGAT
ACTACTAGATCACTGTCTCTGCCAGCTCATTGTTAATAAAACTGAAAACACAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA (SEQ ID NO:25)

FIG. 5

Applicant(s): John Bertin

NOVEL MOLECULES OF THE CARD-RELATED PROTEIN
FAMILY AND USES THEREOF

HASDLLKNDYFSAEDAEIVCACPTQPDKVRKILDLVQSKGEEVSEFFLYLL
QQLADAYVDLRPWLLEIGFSPSLLTQSKVVVNTDPVSRYTQQLRHHLGRDS
KFVLCYAQKEELLLEEIYMDTIMELVGFSNESLGSLNSLACLLDHTTGILN
EQGETIFILGDAGVGKSMLLQRLQSLWATGRLDAGVKFFFHFRCRMFSCFK
ESDRLCLQDLLFKHYCYPERDPEEVFAFLLRFPHVALFTFDGLDELHSDL
LSRVPDSSCPWEPAHPLVLLANLLSGKLLKGASKLLTARTGIEVPRQFLRK
KVLLRGFSPSHLRAYARRMFPERALQDRLLSQLEANPNLCSLCVPLFCWI
IFRCFQHFRAAFEGSPQLPDCTMTLTDVFLVTEVHLNRMQPSSLVQRNTR
SPVETLHAGRDTLCSLGQVAHRGMEKSLFVFTQEEVQASGLQERDMQLGFL
RALPELGPGGDQQSYEFFHLSLLTCKTGIPV (SEQ ID NO:26)

FIG. 6

SEQ. ID NO. 31/32/33/34

1	E	S	H	P	H	I	-	Q	L	K	S	N	R	E	L	V	T	H	I	R	N	T	Q	C	L	-	-	V	D	N	L	L	K	N	D	Y						
1	L	-	Q	P	G	I	A	Q	Q	W	I	Q	S	K	R	E	D	I	V	N	Q	M	T	E	A	-	C	L	N	Q	S	L	D	A	CARD4-CARD							
1	1	A	Q	E	R	-	P	S	E	T	I	D	R	E	K	R	L	V	E	T	L	Q	A	D	S	G	L	L	Q	S	R	D	L	CARD3-CARD								
1	1	M	A	S	D	I	S	-	L	I	R	K	N	R	M	A	L	F	Q	Q	L	T	-	-	C	V	L	P	T	L	D	A	ARC-CARD									
1	1	K	E	S	N	D	I	L	-	L	I	R	K	N	R	M	A	L	F	Q	H	L	T	-	-	C	V	T	P	I	L	D	S	CIAP1-CARD								
1	1	K	E	S	N	D	I	L	-	L	I	R	K	N	R	M	A	L	F	Q	H	L	T	-	-	C	V	T	P	I	G	T	CIAP2-CARD									
36	F	S	A	E	D	A	E	I	V	C	A	C	P	T	Q	P	D	K	V	R	K	I	L	D	L	V	Q	S	K	G	E	E	V	S	E	F	E	L	Y	L	CARD4-CARD	
39	I	M	K	E	D	Y	E	L	V	S	T	K	P	T	R	T	S	K	V	R	Q	L	L	D	T	T	D	I	Q	G	E	E	F	A	K	V	T	Q	K	CARD3-CARD		
37	L	T	G	P	E	Y	E	A	L	D	A	L	P	D	A	E	R	R	V	R	R	E	L	L	L	V	Q	G	K	G	E	A	A	C	Q	E	L	L	R	C	ARC-CARD	
36	I	N	K	Q	Q	E	H	D	I	I	K	Q	K	T	Q	I	P	L	Q	A	R	E	L	I	D	T	I	W	V	K	G	N	A	N	I	F	K	N	C	CIAP1-CARD		
36	I	N	E	Q	Q	E	H	D	V	I	K	Q	K	T	Q	T	S	L	Q	A	R	E	L	I	D	T	I	W	V	K	G	N	T	A	A	T	V	E	R	N	S	CIAP2-CARD
76	L	Q	Q	L	A	D	A	Y	V	D	L	R	P	W	-	L	L	E	I	G	F	S	P	S	L	L	E	I	G	F	S	P	S	L	CARD4-CARD							
79	L	K	D	N	K	Q	-	M	G	L	Q	P	Y	P	E	I	I	V	V	S	R	S	P	S	L	CARD3-CARD																
77	A	Q	R	T	A	G	A	P	D	P	W	D	W	Q	H	V	G	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ARC-CARD								
76	L	K	E	I	D	S	T	L	-	-	-	-	-	-	Y	K	N	L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CIAP1-CARD								
76	L	Q	E	A	E	A	V	L	-	-	-	-	-	-	Y	E	H	L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CIAP2-CARD								

FIG. 7

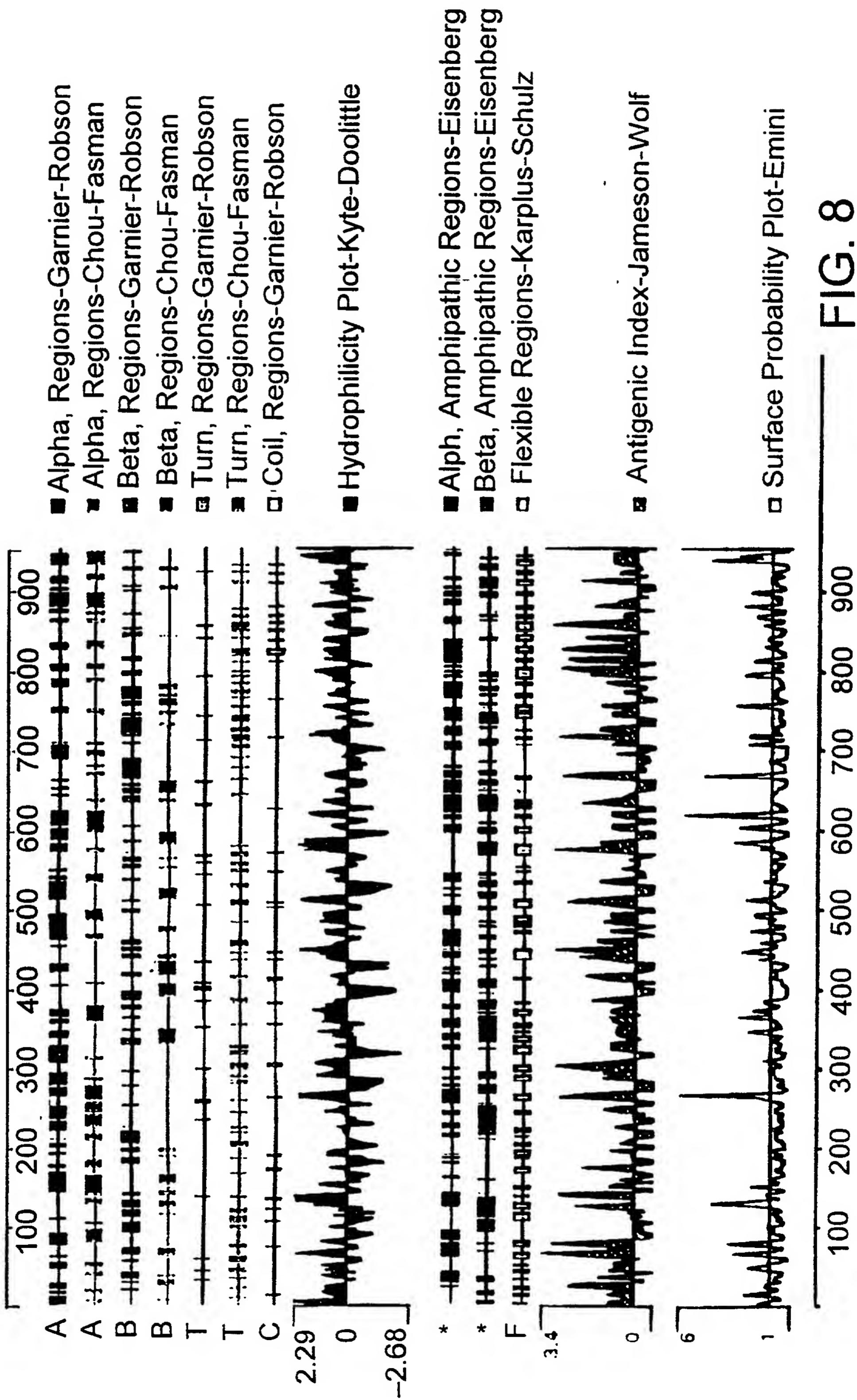


FIG. 8

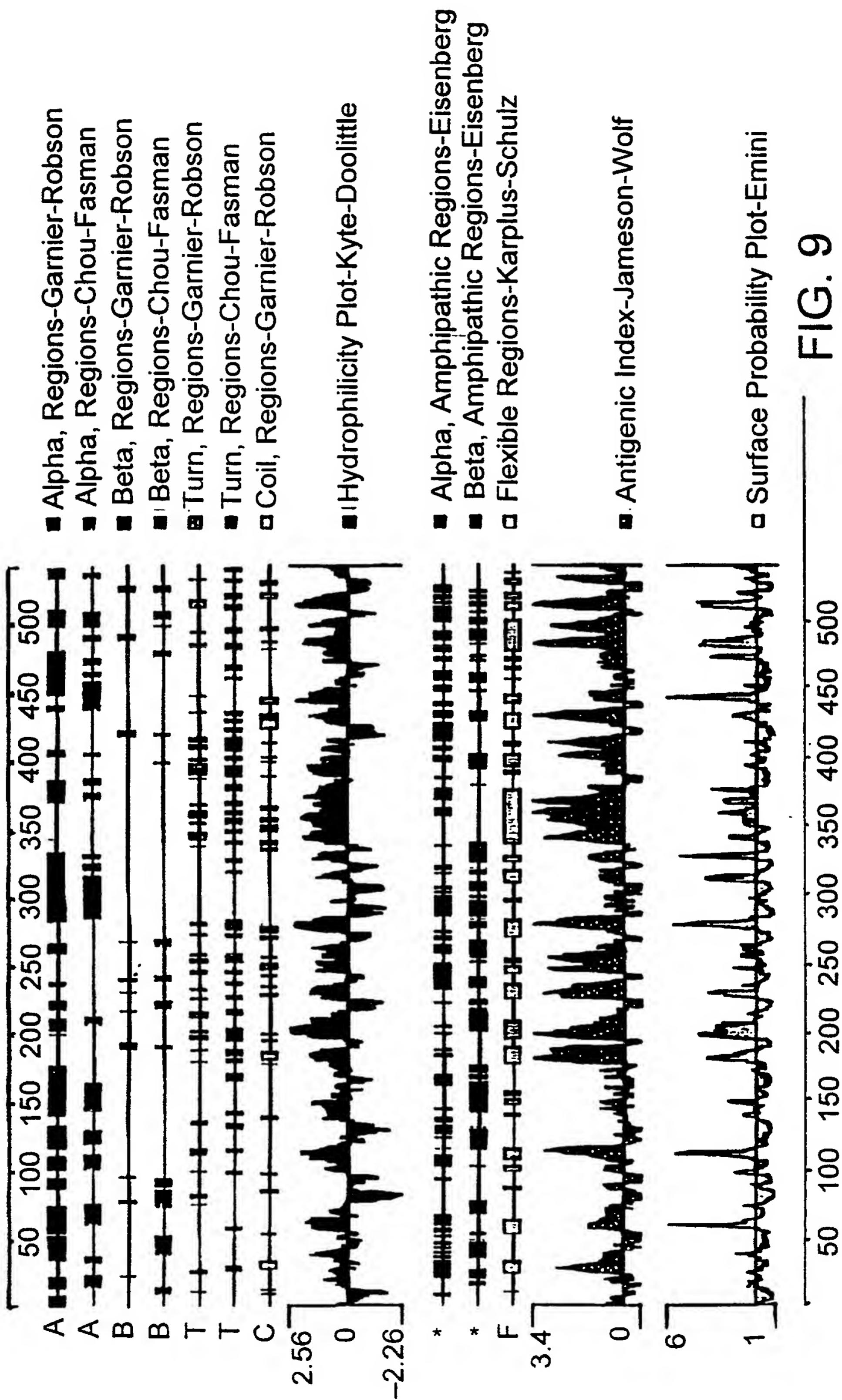


FIG. 9